

WHAT IS CLAIMED IS:

1. A method for permanently dyeing hair comprising subjecting a person's hair to a number of treatments, having a set time interval between each two consecutive treatments,
5 wherein each treatment comprises:

a) contacting the hair with a recently prepared mixture of a colorant composition comprising:

A) an alkaline dye composition comprising:

(i) an effective amount to color hair of at least one dye intermediate;

(ii) from about 0.1 to about 25% by weight based on the colorant composition of a water soluble ammonium carbonate or carbamate salt;

(iii) from 1 to 5% by weight based on the colorant composition of a chelant; and

(iv) a cosmetically acceptable carrier;

B) an oxidizing composition comprising:

(i) from 0.1 to 15% by weight based on the colorant composition of a peroxide compound; and

(ii) a cosmetically acceptable carrier;

b) rinsing the mixture from the hair with water.

2. The method according to claim 1 wherein the chelant is selected from the group aminocarboxylic acids, amino phosphonic acids, polyphosphoric acids and mixtures thereof including their salts.

3. The method according to claim 1 wherein the chelant is a salt of ethylene diamine tetraacetic acid.

4. The method according to claim 1 wherein the ammonium salt is ammonium carbonate.

5. The method according to claim 1 wherein the amount of ammonium carbonate or carbamate salt relative to the chelant is in a weight ratio of about 4:1 to about 1:2.

6. The method according to claim 1 wherein contact time on the hair is no longer than 2 minutes.

7. The method according to claim 1 wherein the number of treatments is at least six.

8. The method according to claim 1 wherein the colorant composition relative to an amount of a person's hair is applied in a weight ratio of about 1:10 to about 1:2.

9. A kit for permanently dyeing hair comprising:

a) a colorant composition packaged as a part A and a part B separate from one another until just before use,

part A being a dye intermediate composition comprising:

(i) an effective amount to color hair of at least one dye intermediate;

(ii) from about 0.1 to about 25% by weight of the colorant composition of a water soluble ammonium carbonate or carbamate salt;

- (iii) from 1 to 5% by weight of the colorant composition of a chelant;
and
- (iv) a cosmetically acceptable carrier.

part B being an oxidizing composition comprising:

- (i) from 0.1 to 15% by weight of the colorant composition of a
peroxide compound; and
- (ii) a cosmetically acceptable carrier.

- b) instructions for use of the colorant composition comprising applying a
recently made mixture of part A and part B onto the person's hair followed
by a rinse with water.

10. The kit according to claim 9 wherein the chelant is selected from the group
aminocarboxylic acids, amino phosphonic acids, polyphosphoric acids and mixtures
thereof including their salts.

11. The kit according to claim 9 wherein the chelant is a salt of ethylene diamine
tetraacetic acid.

12. The kit according to claim 9 wherein the ammonium salt is ammonium carbonate.

13. The kit according to claim 9 wherein the amount of ammonium carbonate or
carbamate salt relative to the chelant is in a weight ratio of about 4:1 to about 1:2.

14. The kit according to claim 9 wherein the colorant composition relative to an amount
of a person's hair is applied in a weight ratio of about 1:10 to about 1:2.